

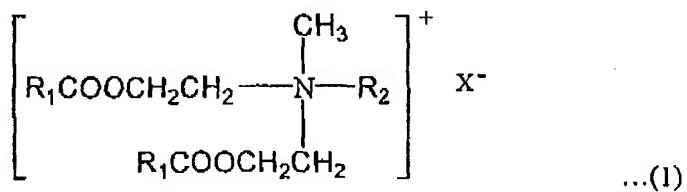
Appl. No. 10/659,668
Audit, dated May 5, 2004
Reply to Office Action of February 6, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

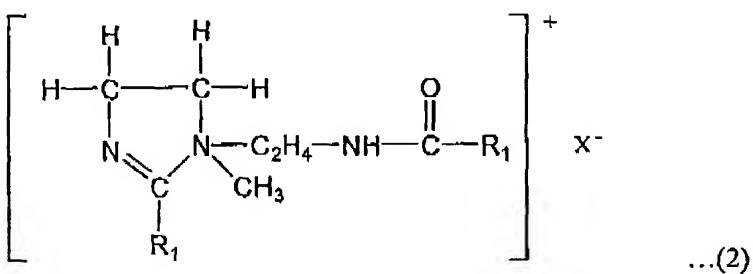
Listing of Claims:

1. (Currently Amended) A method of using a complex salt as for an anti-spotting detergent, comprising:
reacting the complex salt being formed by the reaction of with a photo-bleaching component having a water-soluble anionic substituent and a cationic surfactant.
2. (Currently Amended) The complex saltmethod of claim 1, wherein the photo-bleaching component having the water-soluble substituent is at least one of a metallo porphrin, a metallo phthalocyanine, a metallo naphthalocyanine, orand a combination of the foregoing materials.
3. (Currently Amended) The complex saltmethod of claim 2, wherein the metallo phthalocyanine is at least one of zinc phthalocyanine sulfonate orand aluminum phthalocyanine sulfonate.
4. (Currently Amended) The complex saltmethod of claim 1, wherein the cationic surfactant is a quaternary ammonium compound having one of formulae (1), (2), and (3) below:

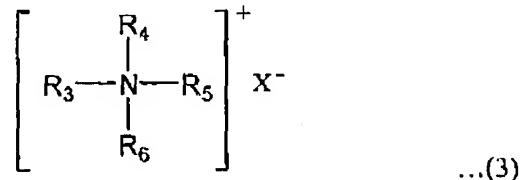


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wherein R₁ is a substituted or unsubstituted C₈-C₂₂ alkyl group or a substituted or unsubstituted C₈-C₂₂ alkenyl group; R₂ is a substituted or unsubstituted C₁-C₄ alkyl group; and X is selected from among a halogen atom, acetate, phosphate, nitrate, and methyl sulfate;



wherein R₁ is a substituted or unsubstituted C₈-C₂₂ alkyl group or a substituted or unsubstituted C₈-C₂₂ alkenyl group; and X is selected from among a halogen atom, acetate, phosphate, nitrate, and methyl sulfate; and



wherein R₃ is selected from among a hydrogen atom, a substituted or unsubstituted C₁-C₂₂ alkyl, and a substituted or unsubstituted C₁-C₂₂ alkenyl group; R₄ is one or a substituted or unsubstituted C₈-C₂₂ alkyl group and a substituted or unsubstituted C₈-C₂₂ alkenyl group; each of R₅ and R₆ is a C₁-C₄ alkyl group; and X is selected from among a halogen atom, acetate, phosphate, nitrate, and methyl sulfate.

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5. (Currently Amended) The ~~complex-salt~~method of claim 4, wherein the cationic surfactant of said formula (2) is selected from among the group consisting of 1-methyl-1-[steroylamido]ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride, 1-methyl-1-[oleylamino]ethyl]-2-oleyl-4,5-dihydroimidazolinium methyl sulfate, 1-methyl-1-[tallowamido]ethyl]-2-tallow-4,5-imidazolinium chloride, 1-methyl-1-[palmitoylamido]ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride, 1-methyl-1-[steroylamide]ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride, and 1-methyl-1-[hydrogenated tallowamido]ethyl]-2-hydrogenerated tallow-4,5-imidazolinium chloride.

6. (Currently Amended) The ~~complex-salt~~method of claim 4, wherein the cationic surfactant of said formula (3) is selected from the group consisting of tallow trimethyl ammonium chloride, ditallow dimethyl ammonium chloride, ditallow dimethyl ammonium methyl sulfate, dihexadecyl dimethyl ammonium chloride, di(hydrogenated tallow)dimethyl ammonium chloride, dioctadecyl dimethyl ammonium chloride, distearyl dimethyl ammonium chloride, dicosyl dimethyl ammonium chloride, didocosyl dimethyl ammonium chloride, di(hydrogenated tallow)dimethyl ammonium methyl sulfate, dihexadecyl diethyl ammonium chloride, dihexadecyl dimethyl ammonium acetate, ditallow dipropyl ammonium phosphite, ditallow dimethyl ammonium nitrate, and di(coconut-alkyl)dimethyl ammonium chloride.